

## CHAPTER 4

# Criteria Pollutants - Nonattainment Areas

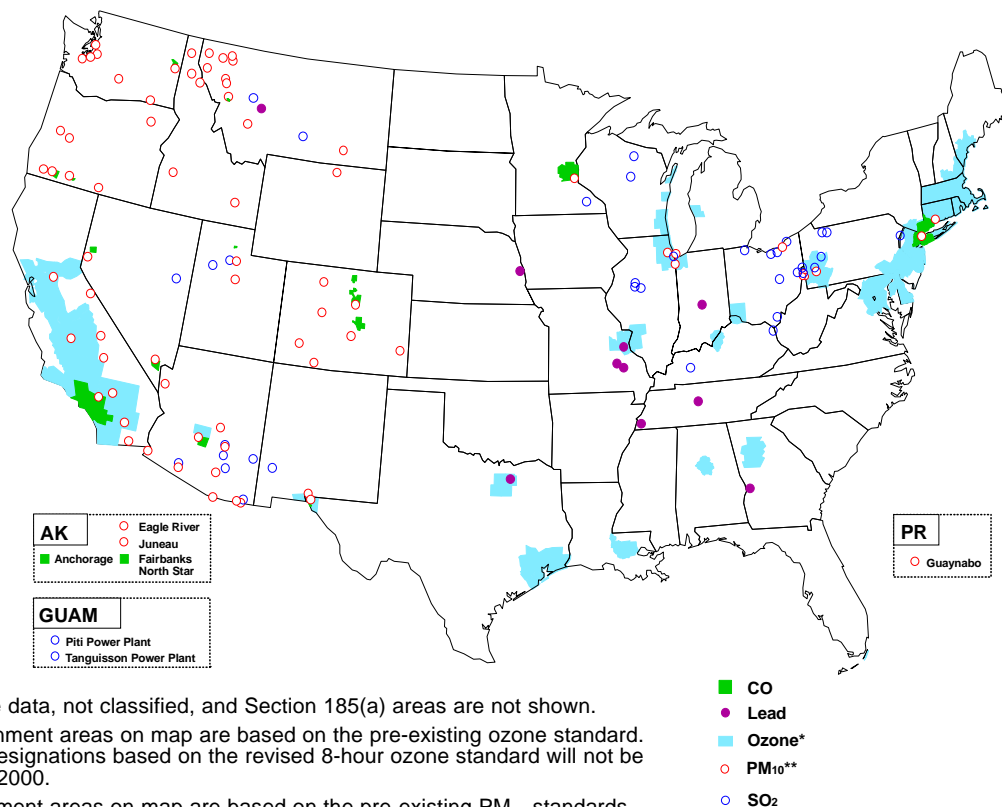
<http://www.epa.gov/oar/aqtrnd97/chapter4.pdf>

This chapter provides general information on geographical regions known as nonattainment areas. When an area does not meet the air quality standard for one of the criteria pollutants it may be subject to the formal rule-making process which designates it as nonattainment. The

Clean Air Act Amendments (CAAA) further classify ozone, carbon monoxide, and some particulate matter nonattainment areas based on the magnitude of an area's problem. Nonattainment classifications may be used to specify what air pollution reduction measures an area must

adopt and when the area must reach attainment. The technical details underlying these classifications are discussed in the Code of Federal Regulations, Part 81 (40 CFR 81), see <http://www.epa.gov/epacfr40>.

**Figure 4-1.** Location of nonattainment areas for criteria pollutants, September 1998.



Note: Incomplete data, not classified, and Section 185(a) areas are not shown.

\*Ozone nonattainment areas on map are based on the pre-existing ozone standard. Nonattainment designations based on the revised 8-hour ozone standard will not be designated until 2000.

\*\*PM<sub>10</sub> nonattainment areas on map are based on the pre-existing PM<sub>10</sub> standards. Nonattainment designations based on the revised PM<sub>10</sub> standards have not yet been made.

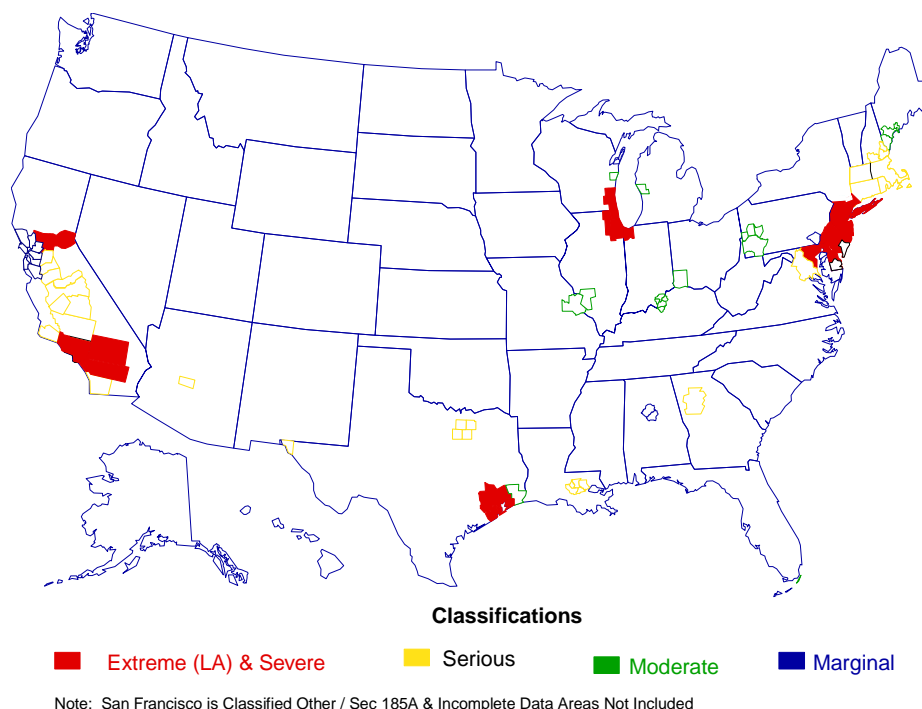
**Figure 4-2.** Classified ozone nonattainment areas where 1-hour standard still applies, September 1998.

Figure 4-1 shows the location of the nonattainment areas for each criteria pollutant as of September 1998. Figure 4-2 identifies the ozone nonattainment areas by degree of severity. A summary of nonattainment areas can be found in Table A-17 in Appendix A. This condensed list also is located on the Internet at <http://www.epa.gov/airs/nonattn.html> and is updated as areas are redesignated. Note that Section 185a areas (formerly known as “transitional areas”) and incomplete areas are excluded from the counts in Table A-17. For information on these areas including Section 185a and incomplete areas see the EPA Green Book site located at <http://www.epa.gov/oar/oaqps/greenbk>.

As of September 1998, there were a total of 130 nonattainment areas on the condensed nonattainment list. The areas on the condensed list are displayed alphabetically by state.

**Table 4-1.** Areas Redesignated Between September 1997 and September 1998.

<b>CO</b> <ul style="list-style-type: none"> <li>Chico, CA</li> <li>Fresno, CA</li> <li>Lake Tahoe South Shore, CA</li> <li>Modesto, CA</li> <li>Portland, OR</li> <li>Stockton, CA</li> <li>Sacramento, CA</li> <li>San Francisco-Oakland-San Jose, CA</li> <li>San Diego, CA</li> </ul> <b>Pb</b> <ul style="list-style-type: none"> <li>The number of lead nonattainment areas remained the same since September 1997.</li> </ul>	<b>NO<sub>2</sub></b> <ul style="list-style-type: none"> <li>Los Angeles-South Coast Air Basin, CA</li> </ul> <b>Ozone</b> <ul style="list-style-type: none"> <li>Evansville, IN</li> <li>Richmond, VA</li> <li>San Francisco Bay Area, CA (redesignated to nonattainment)</li> </ul> <b>PM<sub>10</sub></b> <ul style="list-style-type: none"> <li>Granite City, IL</li> <li>Vermillion, IN</li> </ul> <b>SO<sub>2</sub></b> <ul style="list-style-type: none"> <li>Benton Co., TN</li> <li>Humphreys Co., TN</li> <li>Polk Co., TN</li> <li>Muscataine Co., IA</li> </ul>
--	---

**Table 4-2.** Ozone Revocations of Nonattainment Areas Only

<ul style="list-style-type: none"> <li>Albany-Schenectady-Troy, NY</li> <li>Allentown-Bethlehem-Easton, PA-NJ</li> <li>Altoona, PA</li> <li>Atlantic City, NJ</li> <li>Buffalo-Niagra Falls, NY</li> <li>Erie, PA</li> <li>Essex Co., (Whiteface Mtn.), NY</li> <li>Harrisburg-Lebanon-Carlisle, PA</li> <li>Jefferson Co., NY</li> <li>Johnstown, PA</li> <li>Knox Co. and Lincoln Co., ME</li> </ul>	<ul style="list-style-type: none"> <li>Lewiston-Auburn, ME</li> <li>Manchester, NH</li> <li>Poughkeepsie, NY</li> <li>Reno, NV</li> <li>Scranton-Wilkes-Barre, PA</li> <li>Smyth Co. (White Top Mtn.), VA</li> <li>Sussex Co., DE</li> <li>York, PA</li> <li>Youngstown-Warren-Sharon, OH-PA*</li> </ul> <p>* Youngstown was redesignated April 4, 1996.</p>
--	--

**Table 4-3.** Nonattainment Status

Pollutant	1991 # areas	1998 # areas	1998 Population (in 1,000s)
CO	42	20	34,047
Pb	12	10	1,375
NO <sub>2</sub>	1	0	0
O <sub>3</sub>	100	38	99,824
PM <sub>10</sub>	70	77	29,890
SO <sub>2</sub>	51	34	4,695

There are approximately 113 million people living in areas currently designated as nonattainment.

Areas redesignated between September 1997 and September 1998 are listed in Table 4-1, by pollutant. All redesignations were to attainment except for the San Francisco Bay Area which was redesignated to nonattainment for ozone. Subsequent to the 1997 O<sub>3</sub> National Ambient Air Quality Standards (NAAQS) revision, EPA revoked the 1-hour O<sub>3</sub> NAAQS in most U.S. counties.<sup>1,2</sup> Nonattainment areas that had the 1-hour ozone standard revoked are listed in Table 4-2. The present status of nonattainment areas compared to the status after nonattainment designations resulting from the CAAA is shown in Table 4-3. Ozone nonattainment areas for the new 8-hour standard will not be designated until the year 2000.<sup>3</sup>

## REFERENCES

1. "Identification of Ozone Areas Attaining the 1-Hour Standard and to Which the 1-Hour Standard Is No Longer Applicable; Final Rule," *Federal Register*, 63 FR 2804, Washington, D.C., June 5, 1998.
2. "Identification of Additional Ozone Areas Attaining the 1-Hour Standard and to Which the 1-Hour Standard Is No Longer Applicable; Final Rule," *Federal Register*, 63 FR 39431, Washington, D.C., July 22, 1998.
3. "Re-Issue of Early Planning Guidance for the Revised Ozone and Particulate Matter (PM) National Ambient Air Quality Standards (NAAQS)," memorandum from S. Shaver, U.S. Environmental Protection Agency, Research Triangle Park, NC, June 17, 1998.

